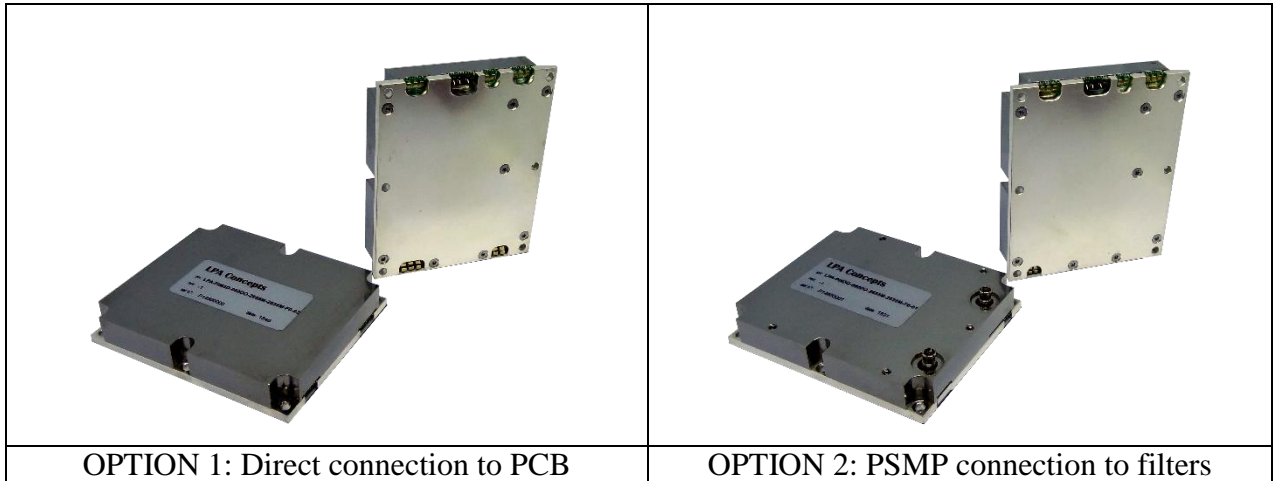


DEMONSTRATION KITS FOR HIGH POWER Tx-Rx MODULES

PIM3D modules are high power Tx-Rx modules designed to interface directly to a radio board on one side and to a filter assembly on the other side.

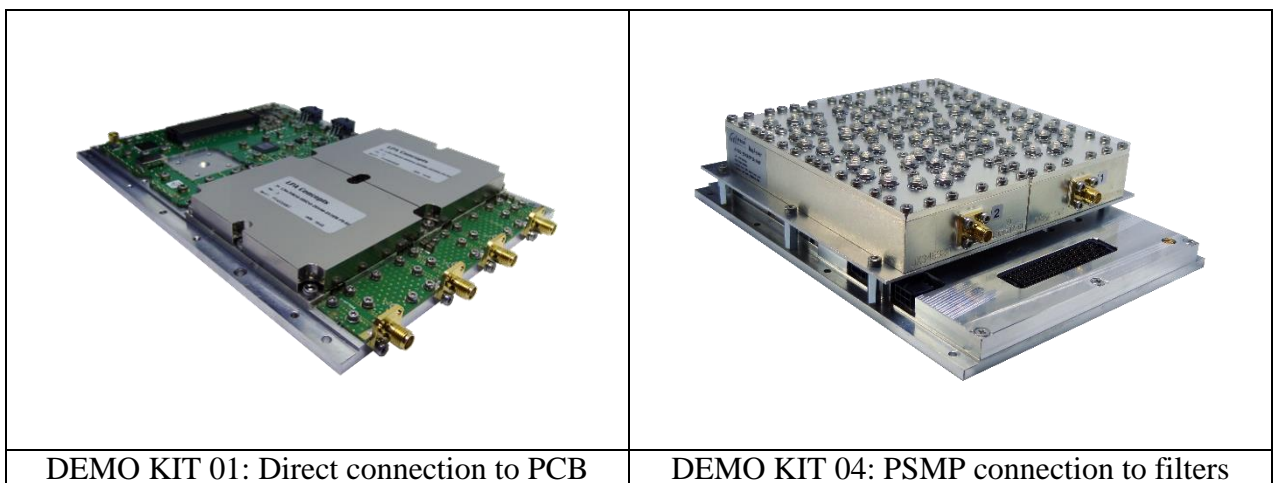
The interface to the radio board is standard for all PIM3D modules. The interface to the filter assembly can either be direct PCB connections to a board equipped for example with ceramic duplexers, or it can be a direct blind mate coaxial connection to a cavity filter assembly.




Option 1 is used in applications where a 75dBc Tx-Rx isolation is sufficient. Typically with ceramic filters at power levels of 5W average or lower


Option 2 is used when one needs a 100 to 110dB Tx-Rx isolation. Typically with cavity filters at power levels higher than 5W average.


Complete functional evaluation of PIM3D modules is done on assemblies including radio boards with DPD capability and connections to the filter assembly. For this purpose demonstration kits for selected PIM3D amplifier modules are available for evaluation.




Demonstration kits below are designed to be used with Xilinx SoC Zynq demonstration board ZC706 and Analog Devices interface program for AD9375 (ADi TES).

DEMO KIT 01	BAND 7 FDD 2x 50Wpeak, PCB connections to filters						
	Kit composition		qty	Unit price	Total price		
	P1500	2Tx-2Rx-2Obs Radio board assembly using AD9375			2300.00€	2300.00€	
		P1501	Radio board on base plate with cover		1		
		P1502	High speed FMC cable for FPGA connection		1		
		P1503	Supply cable 28V		1		
		P1504	Supply cable 12V		1		
	P1610	Interface PCB to SMA Tx/Rx ports		1	200.00€	200.00€	
	P1450	BAND 7 PIM3D module with 50Wpeak Tx		2	420.00€	840.00€	
Total kit price					3340.00€		

DEMO KIT 02	BAND 41 TDD 2x 50Wpeak, PCB connections to filters						
	Kit composition		qty	Unit price	Total price		
	P1500	2Tx-2Rx-2Obs Radio board assembly using AD9375			2300.00€	2300.00€	
		P1501	Radio board on base plate with cover		1		
		P1502	High speed FMC cable for FPGA connection		1		
		P1503	Supply cable 28V		1		
		P1504	Supply cable 12V		1		
	P1610	Interface PCB to SMA Tx/Rx ports		1	200.00€	200.00€	
	P1600	BAND 41 PIM3D module with 50Wpeak Tx		2	440.00€	880.00€	
Total kit price					3380.00€		

DEMO KIT 03	BAND 7 FDD 2x 50Wpeak, PSMP connections to filters						
	Kit composition		qty	Unit price	Total price		
	P1500	2Tx-2Rx-2Obs Radio board assembly using AD9375			2300.00€	2300.00€	
		P1501	Radio board on base plate with cover		1		
		P1502	High speed FMC cable for FPGA connection		1		
		P1503	Supply cable 28V		1		
		P1504	Supply cable 12V		1		
	P1680	PSMP to SMA Tx-Rx adaptors		2	200.00€	400.00€	
	P1460	BAND 7 PIM3D module with 50Wpeak Tx		2	460.00€	920.00€	
Total kit price					3620.00€		

DEMO KIT 04	BAND 7 FDD 2x 50Wpeak with cavity duplexers						
	Kit composition		qty	Unit price	Total price		
	P1500	2Tx-2Rx-2Obs Radio board assembly using AD9375			2300.00€	2300.00€	
		P1501	Radio board on base plate with cover		1		
		P1502	High speed FMC cable for FPGA connection		1		
		P1503	Supply cable 28V		1		
		P1504	Supply cable 12V		1		
	P1670	Dual duplexer assembly		1	800.00€	800.00€	
	P1460	BAND 7 PIM3D module with 50Wpeak Tx		2	460.00€	920.00€	
Total kit price					4020.00€		

Consult factory for other bands or other power levels.